

**Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

AIR QUALITY PERMIT

Permittee Name: The Okonite Company
Mailing Address: P.O. Box 1740 Berea Road, Richmond, Kentucky 40475

Source Name: The Okonite Company
Mailing Address: Same as above
Source Location: Same as above

Permit Type: Federally-Enforceable
Review Type: Conditional Major

Permit Number: F-99-027 (Revision 1)
Log Number: 53816 (Revision 1), E941

Application
Complete Date: November 19, 2001
KYEIS ID #: 102-2520-0021
AFS Plant ID #: 21-151-00021
SIC Code: 3357

Region: Bluegrass
County: Madision

Issuance Date: November 22, 1999
Revision Date: December 5, 2001
Expiration Date: November 22, 2004

**John E. Hornback, Director
Division for Air Quality**

TABLE OF CONTENTS

<u>SECTION</u>		<u>DATE OF ISSUANCE</u>	<u>PAGE</u>
SECTION A	PERMIT AUTHORIZATION	November 22, 1999	3
SECTION B	EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, OPERATING CONDITIONS	December 5, 2001	4
SECTION C	INSIGNIFICANT ACTIVITIES	November 22, 1999	16
SECTION D	SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS	November 22, 1999	17
SECTION E	SOURCE CONTROL EQUIPMENT OPERATING REQUIREMENTS	November 22, 1999	17
SECTION F	MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS	November 22, 1999	18
SECTION G	GENERAL CONDITIONS	November 22, 1999	21
SECTION H	ALTERNATE OPERATING SCENARIOS	November 22, 1999	27
SECTION I	COMPLIANCE SCHEDULE	November 22, 1999	27

Rev #	Permit type	Log #	Complete Date	Issuance Date	
----	Conditional Major	E941	02/2/97	11/22/99	
1	Minor modification revision	53816	11/19/01	12/05/01	Install and maintain three absorbent applicators on one line

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto and shall become the final permit unless the U.S. EPA files an objection pursuant to 401 KAR 52:100, Section 10.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Group 1 Requirements

01 (1) 21 mmBTU/hour natural gas-fired boiler with No. 2 fuel oil as a backup.

02 (2) 21 mmBTU/hour natural gas-fired boiler with No. 2 fuel oil as a backup.

Construction commenced: Both boilers were constructed in 1969.

APPLICABLE REGULATIONS:

401 KAR 61:015, Existing indirect heat exchangers

1. Operating Limitations:

Not Applicable.

2. Emission Limitations:

a) Pursuant to Regulation 401 KAR 61:015, Section 4(1), particulate emissions shall not exceed 0.537 lb/MMBTU, each based on a three-hour-average. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions for each respective fuel using fuel oil usage rates, fuel analysis, and emission factor information:

No. 2 fuel-oil -

PM Emissions (lb/MMBTU) from combustion of No. 2 fuel-oil = (U.S. EPA approved or AP-42 emission factor: 2 lbs / 10³ gallons) / (heating value from fuel analysis in MMBTU/ 10³ gallons); and

b) Pursuant to Regulation 401 KAR 61:015, Section 4(3), visible emissions shall not exceed 40% opacity based on a six-minute-average.

c) Pursuant to Regulation 401 KAR 61:015, Section 5(1), sulfur dioxide emissions shall not exceed 5.0 lbs/MMBTU based on a twenty-four-hour average. Compliance with the allowable sulfur dioxide standard may be demonstrated by calculating sulfur dioxide emissions for each respective fuel using fuel usage rates, fuel analysis, and emission factor information.

No. 2 fuel-oil -

SO₂ Emissions (lb/MMBTU) from combustion of No. 2 fuel-oil = (U.S. EPA approved or AP-42 emission factor: 142S lbs / 10³ gallons) / (heating value from fuel analysis in MMBTU/10³ gallons).

While burning natural gas, this unit is considered to be in compliance with PM, SO₂ and opacity standard.

3. Testing Requirements:

Not Applicable

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

The permittee shall monitor:

- a.) The quantitative visible emissions from each stack on a monthly basis. If any emissions are noted, US EPA Reference Method 9 shall be performed to determine the visible emissions.
- b.) The monthly natural gas and No. 2 fuel oil usages for each boiler.
- c.) The heat content and sulfur content of the fuel oil burned on a monthly basis. The permittee may use fuel supplier certification to meet this requirement.

5. Specific Recordkeeping Requirements:

The permittee shall keep the following records:

- a.) Visible emission readings.
- b.) Monthly natural gas and No. 2 fuel oil usage.
- c.) Heat content and sulfur contents by weight of the No. 2 fuel oil used.

6. Specific Reporting Requirements:

The permittee shall report semi-annually to the Division, the sulfur content by weight of the No. 2 fuel oil, the monthly usage rate of natural gas and No. 2 fuel oil, and the monthly visible emission readings.

7. Specific Control Equipment Operating Conditions:

Not Applicable.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- 08 (21) 807 CV Rubber Extrusion Operation
- (22) 808 CV Rubber Extrusion Operation
- (23) 809 CV Rubber Extrusion Operation
- (24) 830 CV Rubber Extrusion Operation
- (25) 831 CV Rubber Extrusion Operation

Description:

This is where the cable is coated with a rubber jacket.

Construction commenced: 1986

APPLICABLE REGULATIONS:

401 KAR 63:060, List of hazardous air pollutants, petitions process, lesser quantity designations, and source category list

1. Operating Limitations:

Total rubber usage for the above five emission points shall not exceed 40 million pounds per year. Compliance shall be demonstrated through monitoring and record keeping as specified below.

2. Emission Limitations:

Total acetophenone emissions shall not exceed 9.8 tons in any 12 consecutive months.

Compliance Demonstration Method:

Annual acetophenone emissions in tons per year:

$$ER = \sum_{i=1}^{12} [(PR_i * EF)/2000]$$

Where PR = the processing rate of rubber in tons per month
 EF = the vendor supplied emission factor in pound per ton (0.98)
 i = the respective month

3. Testing Requirements:

Not Applicable

4. Specific Monitoring Requirements:

The permittee shall monitor the monthly usage rate of rubber.

5. Specific Record Keeping Requirements:

The permittee shall keep records of the rubber monthly usage rate.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

The permittee shall report semi-annually to the Division, any exceedance of the operating and emission limitations.

7. Specific Control Equipment Operating Conditions:

Not Applicable.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**19 (IJ1-IJ8)-** 8 Ink jet printers**Description:**

Printers apply a manufacturers identification code to the cable

Construction commenced: 1998

APPLICABLE REGULATIONS:

401 KAR 63:060, List of hazardous air pollutants, petitions process, lesser quantity designations, and source category list.

1. Operating Limitations:

None

2. Emission Limitations :

Toluene emissions shall not equal or exceed 10 tons in any consecutive 12 months.

Methyl ethyl ketone emissions shall not equal or exceed 10 tons in any consecutive 12 months.

Compliance Demonstration Method:

Annual toluene

emissions in tons per year:

$$ER = \sum_{i=1}^{12} [(PR_i \times WT \times r) / 2000]$$

Where PR_i = the processing rate of ink in gallons per month WT = the weight percent of toluene from the MSDS r = the density of ink in pounds per gallon i = the respective month

Annual methyl ethyl ketone emissions in tons per year:

$$ER = \sum_{i=1}^{12} [(PR_i * WT * r) / 2000]$$

Where PR_i = the processing rate of solvent in gallons per month WT = the weight percent of toluene from the MSDS r = the density of ink in pounds per gallon i = the respective month**3. Testing Requirements:**

Not Applicable

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

The permittee shall monitor the monthly usage rates of ink and cleaning solvent.

5. Specific Record Keeping Requirements:

The permittee shall keep records of the average monthly usage rates of ink and cleaning solvent used and the corresponding MSDS.

6. Specific Reporting Requirements:

The permittee shall report semi-annually to the Division, any exceedance of the operating and emission limitations.

7. Specific Control Equipment Operating Conditions:

Not Applicable.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

10 (10)- Extruder parts cleaner

Description:

Cleans extruder parts at a rate of 325 pounds per hour.

Construction commenced: January 1, 1993

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations.

1. Operating Limitations:

None.

2. Emission Limitations:

- a) Visible emissions shall not equal or exceed 20 percent opacity [401 KAR 59:010, Section 3(2)]
- b) Hourly particulate emissions, as measured by Reference Method 5, Appendix A, 40 CFR 60, averaged over three hours shall not exceed 2.34 pounds per hour.[401 KAR 59:010, Section 3(2)]

Compliance Demonstration Method:

To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount of process weight added to the extruder parts cleaner.

The process weight shall be determined as the average hourly tons added to the emission unit averaged over a one-month period. Average particulate emissions shall be calculated as follows:

$$PE = (PW \times PEF)$$

Where PE = Particulate emissions in pounds per hour

PW = process weight in tons per hour

PEF = particulate emission factor in pounds per ton of process weight as found in the emissions inventory system.

3. Testing Requirements:

None.

4. Specific Monitoring Requirements:

The permittee shall perform a qualitative visual observation of the opacity from the stack at least once per month. If the opacity is perceived or believed to exceed the standard, the permittee shall determine the opacity of emissions using U.S. EPA Reference Method 9, and make any necessary repairs to bring the visible emissions into compliance. The permittee shall monitor the process weight.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Record Keeping Requirements:

The permittee shall keep records of the monthly qualitative opacity readings and the amount of process weight processed by the emission unit.

6. Specific Reporting Requirements:

The permittee shall report semi-annually to the Division, any exceedance of the operating and emission limitations.

7. Specific Control Equipment Operating Conditions:

None.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

05 (18-805) Absorbent Material

Description:

Oil will be applied to the strand prior to applying the absorbent powder. The applicator will spray the absorbent powder and will transfer it via electro-deposition. The applicators can be moved to one of the other stranding lines.

Control equipment is a dust collector equipped with a 2,500 cfm fan and filter system.

Construction commenced: November 19, 2001

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations.

1. Operating Limitations:

The control equipment must be in operation.

2. Emission Limitations:

- a) Visible emissions shall not equal or exceed 20 percent opacity [401 KAR 59:010, Section 3(2)]
- b) Hourly particulate emissions, as measured by Reference Method 5, Appendix A, 40 CFR 60, averaged over three hours shall not exceed 2.34 pounds per hour.[401 KAR 59:010, Section 3(2)]

Compliance Demonstration Method:

To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount of absorbent material added to the process. The process weight shall be determined as the average hourly tons added to the emission unit averaged over a one-month period. Average particulate emissions shall be calculated as follows:

$$PE = (PW \times PEF)$$

Where PE = Particulate emissions in pounds per hour

PW = process weight in tons per hour

PEF = particulate emission factor in pounds per ton of process weight as found in the emissions inventory system.

3. Testing Requirements:

None.

4. Specific Monitoring Requirements:

The permittee shall perform a qualitative visual observation of the opacity from the stack at least once per month. If the opacity is perceived or believed to exceed the standard, the permittee shall determine the opacity of emissions using U.S. EPA Reference Method 9, and make any necessary repairs to bring the visible emissions into compliance. The permittee shall monitor the process weight and the particulate calculations.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Record Keeping Requirements:

The permittee shall keep records of the monthly qualitative opacity readings and the amount of process weight processed by the emission unit.

6. Specific Reporting Requirements:

The permittee shall report semi-annually to the Division, any exceedance of the operating and emission limitations.

7. Specific Control Equipment Operating Conditions:

None.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Group 2 Requirements

04(04) Four cable coating lines

Description: Cables are coated with the applicable electrical information

Construction commenced: January 1, 1970

08(21-25) Plastic extruders

Description: This is where the cable is coated with a rubber jacket.

Construction commenced: 1986

19(IJ1-IJ8) Ink jet printers

Description: Printers apply a manufacturer identification code to the cable

Construction commenced: 1998

RR(RR1) Reel repair

Description: Cable reels are repaired and repainted.

Construction commenced: January 1, 1993

05(18-805) Oil application

Description: Apply oil to the strand prior to applying absorbent powder. Applicators can be moved to one of the other stranding line.

APPLICABLE REGULATIONS:

Self-imposed VOC limit to avoid major source status.

1. Operating Limitations:

None.

2. Emission Limitations:

VOC emissions from the above listed emission points shall not exceed 99 tons in any 12 consecutive months.

Compliance Demonstration Method:

To demonstrate compliance with the VOC emission limit, the permittee shall calculate the annual VOC emissions in tons per year using the following formula:

$$VOC = \sum_{i=1}^{12} [(PR_i * WT_i * \rho_i) + (RR_i * EF)] / 2000$$

Where PR_i = the monthly processing rate of ink, solvent, oil, or coating, in gallons per month

WT_i = the weight percent of VOC in the ink, solvent, oil, or coating

ρ_i = the density of the ink, solvent, oil, or coating in pounds per gallon

RR_i = the monthly processing rate of rubber in tons per month

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EF = the emission factor in pounds per ton supplied by the vendor (0.98)

i = the respective month

3. Testing Requirements:

None.

4. Specific Monitoring Requirements:

The permittee shall monitor the monthly processing rates of ink, solvent, oil, coating and rubber.

5. Specific Recordkeeping Requirements:

A monthly log of the amount of raw material used. All purchases orders, invoices, and other documents that support the information in the monthly log shall be given upon requested by the cabinet. Records of total VOC emissions shall be summarized each month and added to the previous eleven (11) months to provide a rolling average of actual emissions for each consecutive twelve (12) month period.

6. Specific Reporting Requirements:

The permittee shall report semi-annually to the Division, any exceedance of the operating and emission limitations.

7. Specific Control Equipment Operating Conditions:

None.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Wire tin line 30 lb / hr	401 KAR 59:010
2. Three aluminum cladding lines (834,835,838)	401 KAR 59:010
3. Two Extruder / strander lines (803,804)	401 KAR 59:010
4. Filled strand pumps line (805)	401 KAR 59:010
5. Reel repair	401 KAR 59:010
6. Three cable coating lines (822,826,843)	401 KAR 59:010
7. Strip granulator	None
8. Storage silos for PVC or polyethylene pellets	None
9. Plastic extruders (810,811,890,844)	401 KAR 59:010
10. No. 2 Fuel oil storage tank 10,000 gallons	None
11. 880 Plastic extrusion line	None

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. Acetophenone emissions shall not exceed 9.8 tons in any consecutive 12 months. Toluene and methyl ethyl ketone shall not equal or exceed 10 tons each in any consecutive 12 months. The plant wide emissions of hazardous air pollutants (HAPs) shall not exceed 25 tons in any consecutive 12 months. The following equation shall be used to determine total plant wide HAPs emissions in tons per year

$$HAPs = \sum_{i=1}^X (ER_i)$$

Where ER_i = the specific HAPs emission in tons per year as determined in Section B for
emission points 8 and 19
 i = the specific HAP

2. Visible emissions, as measured by US EPA Reference Method 9 shall not exceed the respective limitations specified herein.
3. Source wide VOC emissions shall not exceed 99 tons in any consecutive 12 months.
4. Compliance with annual emissions and processing limitations imposed pursuant to 401 KAR 52:030, Section 10, and contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the materials incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place (as defined in this permit), and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Pursuant to Section 1b (IV)(1) of the materials incorporated by reference in 401 KAR 52:030 Section 10, records of all required monitoring data, support information (including calibrations, maintenance records, and original strip chart recordings), and reports required by the Division for Air Quality shall be retained by the permittee for a period of five years. In accordance with Section 1a (7) of the materials incorporated by reference in 401 KAR 52:030 Section 10 and 401 KAR 52:030 Section 3(1)(f)1a, these records shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality.
3. In accordance with the requirements of 401KAR 52:030 Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Access and copy any records required by this permit, enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation; and
 - b. Sample or monitor substances or parameters that affect compliance with the permit or any applicable requirements.Reasonable times include all hours of operation, normal office hours, and during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due prior to January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
8. Pursuant to Section 1b V(3) and (4) of the material incorporated by reference in 401 KAR 52:030 Section 10, the owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.5.
9. Pursuant to 401KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
 - a. Identification of each term or condition of the permit that is the basis of the certification;
 - b. The compliance status regarding each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent; and
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the year covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
 - f. The certification shall be postmarked by January 30th of each year. **Annual compliance certifications should be mailed to the following addresses:**

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

**Division for Air Quality
Frankfort Regional Office
643 Teton Trail, suite B
Frankfort, Ky 40601**

**Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601**

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission report is mailed to the permittee. If a KEIS emission report is not mailed to the permittee, comply with all other emission reporting requirements in this permit.
11. Pursuant to Section VII.3 of the policy manual of the Division for Air Quality as referenced by 401KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the division by the source or its representative within forty-five days after the completion of the fieldwork.
12. The cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
 - a. The owner or operator shall submit to the cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
 - i. The size and location of both the original and replacement units; and
 - ii. Any resulting change in emissions;
 - b. The PTE of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
 - c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
 - d. The replacement unit shall comply with all applicable requirements; and
 - e. The source shall notify Regional office of all shutdowns and start-ups.
 - f. Within six (6) months after installing the replacement unit, the owner or operator shall:
 - i. Re-install the original unit and remove or dismantle the replacement unit; or
 - ii. Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit. [Section 1a (2) of the materials incorporated by reference in 401 KAR 52:030 Section 10]
2. Notification by the permittee of a planned change or anticipated noncompliance, or filing of a request for any permit revision, reissuance, or rescission shall not stay any permit condition. [Section 1a (5) of the materials incorporated by reference in 401 KAR 52:030 Section 10]
3. Pursuant to Section 1a (2) of the materials incorporated by reference in 401 KAR 52:030 Section 10, 401 KAR 52:030 Section 7(3), and 401 KAR 50:060 Section 2, this permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401KAR 52:030 Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish upon request information requested by the division to determine compliance with the permit or to determine if cause exists for modifying, revoking and reissuing, or terminating the permit. [Sections 1a (6) and (7) of the materials incorporated by reference in 401 KAR 52:030 Section 10]

SECTION G - GENERAL PROVISIONS (CONTINUED)

5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority. [401 KAR 52:030 Section 7(1)]
6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Section 1a (11) of the materials incorporated by reference in 401 KAR 52:030 Section 10]
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance. [Section 1a (3) of the materials incorporated by reference in 401 KAR 52:030 Section 10]
8. Except as identified as state-origin requirements in this permit, all terms and conditions contained herein shall be enforceable by the United States Environmental Protection Agency and citizens of the United States. [Section 1a (12)(b) of the materials incorporated by reference in 401 KAR 52:030 Section 10]
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6). [Section 1a (9) of the materials incorporated by reference in 401 KAR 52:030 Section 10]
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:030 Section 11(3)]
11. This permit does not convey property rights or exclusive privileges. [Section 1a (8) of the materials incorporated by reference in 401 KAR 52:030 Section 10]
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.
15. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
 - (a) Applicable requirements that are included and specifically identified in this permit; and
 - (b) Non-applicable requirements expressly identified in this permit.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the division. [401 KAR 52:030 Section 3(1)(c)]
17. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the division after the completeness determination has been made on any application, by whatever deadline the division sets. [401 KAR 52:030 Section 8(2)]
18. All previously issued construction and operating permits are hereby subsumed into this permit.

(b) Permit Expiration and Reapplication Requirements

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the division. [401 KAR 52:030 Section 12]

(c) Permit Revisions

1. Minor permit revision procedures specified in 401 KAR 52:030 Section 14 (3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14 (2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

Emission point 05:

1. Construction of process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

SECTION G - GENERAL PROVISIONS (CONTINUED)

2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the division's Frankfort Central Office, notification of the following:
 - a. The date when construction commenced.
 - b. The date of start-up of the affected facilities listed in this permit.
 - c. The date when the maximum production rate specified in the permit application was achieved.
3. Affected facilities that are not completed in accordance with 401 KAR 52:030 Section 3(2) shall lose the construction and operation authorization granted in this permit. Accordingly:
 - a. Construction shall commence no later than 18 months after the date of issue of this permit;
 - b. Construction shall not begin and discontinue for 18 months or more unless the construction authorized is approved as a phased project;
 - c. Construction shall be completed within 18 months of the scheduled completion date; and
 - d. Each phase of a phased construction project shall commence construction within 18 months of the projected and approved commencement date.Upon a written request, the division may extend these time periods if the source shows good cause.
4. Operation of the affected facilities for which construction is authorized by this permit shall not commence until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055, except as provided in Section I of this permit.
5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(e) Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
 - d. The permittee notified the division as promptly as possible and submitted written notice of the emergency to the division within two (2) working days of the time when emission limitations were exceeded due to the emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
2. Notification of the division does not relieve the source of any other local, state or federal notification requirements.
3. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement. [401 KAR 52:030 Section 23(3)]
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:030 Section 23(2)]

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:
RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346
2. If requested, submit additional relevant information by the division or the U.S. EPA.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
- e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

SECTION H - ALTERNATE OPERATING SCENARIOS

Not Applicable

SECTION I - COMPLIANCE SCHEDULE

Not Applicable